

IN THE CLAIMS

1 Claim 1 (currently amended): A method for use in a wireless communications
2 system including at least one base station and one or more wireless terminals for
3 identifying whether a particular wireless terminal is reachable within a base station cell
4 coverage area, the method being performed in a base station and comprising the steps of:

5 transmitting a timing control order in a timing control time slot assigned to said
6 particular wireless terminal;

7 monitoring received timing control signal time slots to determine whether a
8 timing control signal has been received from said particular wireless terminal, reception
9 of said timing control signal indicating that said particular wireless terminal is reachable
10 in said base station cell coverage area; and

11 storing a prescribed timing control signal associated with said particular wireless
12 terminal and a prescribed time that said prescribed timing control signal is to be
13 transmitted by said particular wireless terminal,

14 wherein said base station knowing-knows a priori said timing control signal and a
15 prescribed time that said particular wireless terminal will transmit said timing control
16 signal.

Claims 2-8 (previously withdrawn).

1 Claim 9 (Currently amended): A method for use in a wireless communications
2 system including at least one base station and one or more wireless terminals for
3 identifying whether a particular wireless terminal is reachable within a base station cell
4 coverage area, the method being performed in a wireless terminal and comprising the
5 steps of:

6 entering a monitoring mode to monitor a received paging time slot assigned to
7 said particular wireless terminal for a timing control order;

8 in response to detecting a received timing control order for said particular wireless
9 terminal, transmitting a timing control signal in a prescribed timing control time slot; and
10 storing an identity of a timing control order that said particular wireless terminal
11 is to receive and a predetermined time that said prescribed timing control signal is to be
12 transmitted by said particular wireless terminal,

13 wherein, said particular wireless terminal knowing knows a priori said timing
14 control signal and a prescribed time that said timing control signal will be transmitted by
15 said particular wireless terminal.

1 Claim 10 (previously amended): The method as defined in claim 9 further
2 including the steps of, if no timing control order is detected, entering a standby mode, and
3 entering said monitoring mode at a prescribed time.

1 Claim 11 (currently amended): The method as defined in claim 9 further including
2 the steps of, if a terminate order is detected in said monitoring mode, entering a standby
3 mode, and ~~entering said monitoring mode at a prescribed time then, disconnecting from~~
4 said base station.

1 Claim 12 (original): The method as defined in claim 10 wherein said timing
2 control time slot is a paging time slot.

1 Claim 13 (original): The method as defined in claim 10 wherein said timing
2 control order includes the identity of said particular wireless terminal being queried.

1 Claim 14 (original): The method as defined in claim 13 wherein said timing
2 control order further includes a prescribed time at which and a prescribed timing control
3 signal that said wireless terminal is to transmit.

Claim 15 (cancel).

1 Claim 16 (currently amended): Apparatus for use in a wireless communications
2 system including at least one base station and one or more wireless terminals for
3 identifying whether a particular wireless terminal is reachable within a base station cell
4 coverage area, the apparatus being in a base station and comprising:

5 a transmitter for transmitting a timing control order in a timing control time slot
6 assigned to said particular wireless terminal;

7 a monitor for monitoring received timing control signal time slots to determine
8 whether a timing control signal has been received from said particular wireless terminal,
9 reception of said timing control signal indicating that said particular wireless terminal is
10 reachable in said base station cell coverage area; and

11 storage for storing a prescribed timing control signal associated with said
12 particular wireless terminal and a prescribed time that said prescribed timing control
13 signal is to be transmitted by said particular wireless terminal,

14 wherein said particular wireless terminal and said base station including apparatus
15 to know a priori a prescribed timing control signal and knows a priori a prescribed time
16 that said prescribed timing control signal is to be transmitted by said particular wireless
17 terminal.

Claims 17-23 (previously withdrawn).

1 Claim 24 (currently amended): Apparatus for use in a wireless communications
2 system including at least one base station and one or more wireless terminals for
3 identifying whether a particular wireless terminal is reachable within a base station cell
4 coverage area, the apparatus being in a wireless terminal and comprising:

5 a receiver controlled to enter a monitoring mode to monitor a received paging
6 time slot assigned to said particular wireless terminal for a timing control order;

7 a transmitter, responsive to detecting a received timing control order for said
8 particular wireless terminal, to transmit a timing control signal in a prescribed timing
9 control time slot; and

10 a processor including storage for storing an identity of a timing control order that
11 said particular wireless terminal is to receive and a predetermined time that said
12 prescribed timing control signal is to be transmitted by said particular wireless terminal,

13 wherein said particular wireless terminal knows a priori and said base station
14 including apparatus to know a priori a prescribed timing control signal a prescribed time
15 that said prescribed timing control signal is to be transmitted by said transmitter of said
16 particular wireless terminal.

1 Claim 25 (original): The apparatus as defined in claim 24 wherein said particular
2 wireless terminal, in response to no timing control order being detected, being controlled
3 to enter a standby mode and, then, to enter said monitoring mode at a prescribed time.

1 Claim 26 (currently amended): The apparatus as defined in claim 24 wherein said
2 particular wireless terminal, in response to a terminate order being detected in said
3 monitoring mode, being controlled to enter a standby mode and, then, to enter said
4 monitoring mode at a prescribed time disconnect from said base station.

1 Claim 27 (original): The apparatus as defined in claim 25 wherein said timing
2 control time slot is a paging time slot.

1 Claim 28 (original): The apparatus as defined in claim 25 wherein said timing
2 control order includes the identity of said particular wireless terminal being queried.

1 Claim 29 (original): The apparatus as defined in claim 28 wherein said timing
2 control order further includes a prescribed time at which and a prescribed timing control
3 signal that said wireless terminal is to transmit.

Claim 30 (cancel).

1 Claim 31 (currently amended): A method for use in a wireless communications
2 system including at least one base station and one or more wireless terminals for
3 identifying whether a particular wireless terminal is reachable within a base station cell
4 coverage area, the method comprising the steps of:

5 in a base station

6 transmitting a timing control order in a timing control time slot assigned to said
7 particular wireless terminal,

8 monitoring received timing control signal time slots to determine whether a
9 timing control signal has been received from said particular wireless terminal, reception
10 of said timing control signal indicating that said particular wireless terminal is reachable
11 in said base station cell coverage area, and

12 storing a prescribed timing control signal associated with said particular wireless
13 terminal and a prescribed time that said prescribed timing control signal is to be
14 transmitted by said particular wireless terminal.

15 wherein said base station knowing-knows a priori a prescribed timing control
16 signal and a prescribed time that said prescribed timing control signal is to be transmitted
17 by a transmitter of said particular wireless terminal; and

18 in a wireless terminal

19 entering a monitoring mode to monitor a received paging time slot assigned to
20 said particular wireless terminal for a timing control order,

21 in response to detecting a received timing control order for said particular wireless
22 terminal, transmitting a timing control signal in a prescribed timing control time slot, and

23 storing an identity of a timing control order that said particular wireless terminal
24 is to receive and a predetermined time that said prescribed timing control signal is to be
25 transmitted by said particular wireless terminal.

26 wherein said particular wireless terminal knowing knows a priori said prescribed
27 timing control signal and said prescribed time that said prescribed timing control signal is
28 to be transmitted by said transmitter of said particular wireless terminal.

1 Claim 32 (currently amended): Apparatus for use in a wireless communications
2 system including at least one base station and one or more wireless terminals for
3 identifying whether a particular wireless terminal is reachable within a base station cell
4 coverage area, the apparatus being in a base station and comprising:

5 means for transmitting a timing control order in a timing control time slot
6 assigned to said particular wireless terminal; means for monitoring received timing
7 control signal time slots to determine whether a timing control signal has been received
8 from said particular wireless terminal, reception of said timing control signal indicating
9 that said particular wireless terminal is reachable in said base station cell coverage area;
10 and

11 means storing a prescribed timing control signal associated with said particular
12 wireless terminal and a prescribed time that said prescribed timing control signal is to be
13 transmitted by said particular wireless terminal,

14 means for knowing wherein said base station knows a priori a prescribed timing
15 control signal and a prescribed time that said prescribed timing control signal is to be
16 transmitted by said particular wireless terminal.

1 Claim 33 (currently amended): Apparatus for use in a wireless communications
2 system including at least one base station and one or more wireless terminals for
3 identifying whether a particular wireless terminal is reachable within a base station cell
4 coverage area, the apparatus being in a wireless terminal and comprising:

5 means for controlling said particular wireless terminal to enter a monitoring mode
6 to monitor a received paging time slot, assigned to said particular wireless terminal for a
7 timing control order;

8 means, being responsive to detecting a received timing control order for said
9 particular wireless terminal, for transmitting a timing control signal in a prescribed timing
10 control time slot; and

11 means for storing an identity of a timing control order that said particular wireless
12 terminal is to receive and a predetermined time that said prescribed timing control signal
13 is to be transmitted by said particular wireless terminal,

14 wherein said particular wireless terminal ~~and said base station knowing~~ knows a
15 priori a prescribed timing control signal and a prescribed time that said prescribed timing
16 control signal is to be transmitted by said transmitter of said particular wireless terminal.

1 Claim 34 (currently amended): Apparatus for use in a wireless communications
2 system including at least one base station and one or more wireless terminals for
3 identifying whether a particular wireless terminal is reachable within a base station cell
4 coverage area, the apparatus comprising:

5 in a base station

6 means for transmitting a timing control order in a timing control time slot
7 assigned to said particular wireless terminal, and

8 means for monitoring received timing control signal time slots to determine
9 whether a timing control signal has been received from said particular wireless terminal,
10 reception of said timing control signal indicating that said particular wireless terminal is
11 reachable in said base station cell coverage area, and

12 means storing a prescribed timing control signal associated with said particular
13 wireless terminal and a prescribed time that said prescribed timing control signal is to be
14 transmitted by said particular wireless terminal,

15 wherein said base station knows a priori a prescribed timing control signal and a
16 prescribed time that said prescribed timing control signal is to be transmitted by said
17 particular wireless terminal; and

18 in a wireless terminal

19 means for controlling said particular wireless terminal to enter a monitoring mode
20 to monitor a received paging time slot assigned to said particular wireless terminal for a
21 timing control order, and

22 means, being responsive to detecting a received timing control order for said
23 particular wireless terminal, for transmitting a timing control signal in a prescribed timing
24 control time slot, and

25 means for storing an identity of a timing control order that said particular wireless
26 terminal is to receive and a predetermined time that said prescribed timing control signal
27 is to be transmitted by said particular wireless terminal,
28 wherein said particular wireless terminal knows a priori a prescribed timing
29 control signal and a prescribed time that said prescribed timing control signal is to be
30 transmitted by said transmitter of said particular wireless terminal.